

LEGEND

C.4 5 MFD.
 C.5 .022 MFD.
 C.6 .022 MFD.
 C.7 .02 MFD.

D4 1 AMP.
 D5 3 AMP.
 D6 3 AMP.
 D7 1 AMP.

DZ1 27 V

F.2 10 AMP.

R.8 3.9 KΩ
 R.9 3.0 KΩ
 R.10 10 KΩ
 R.11 1.5 KΩ
 R.12 10KΩ POT
 R.13 3.0Ω 25W
 R.14 4.8Ω 10W
 R.16 10 KΩ
 R.17 2.2 KΩ*

SW.1 VOLTAGE CONTROL SWITCH
 SW.2 POWER ON-OFF SWITCH
 SW.3 CONTROL CIRCUIT SWITCH
 T.1 MAIN TRANSFORMER
 T.2 AUX. TRANSFORMER
 MA.1 } MAG-AMP. TRANSFORMERS
 MA.2 }
 MA.3 }
 I.C.R. INPUT CONTACTOR
 2.C.R. PILOT RELAY

RECT. 1 MAIN POWER RECT.

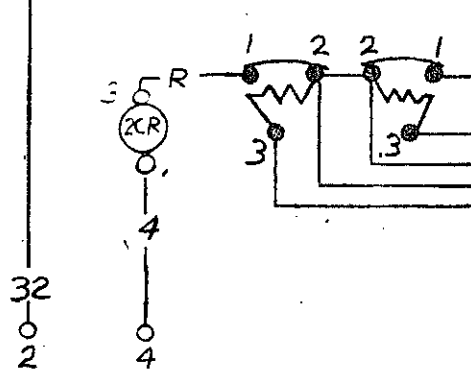
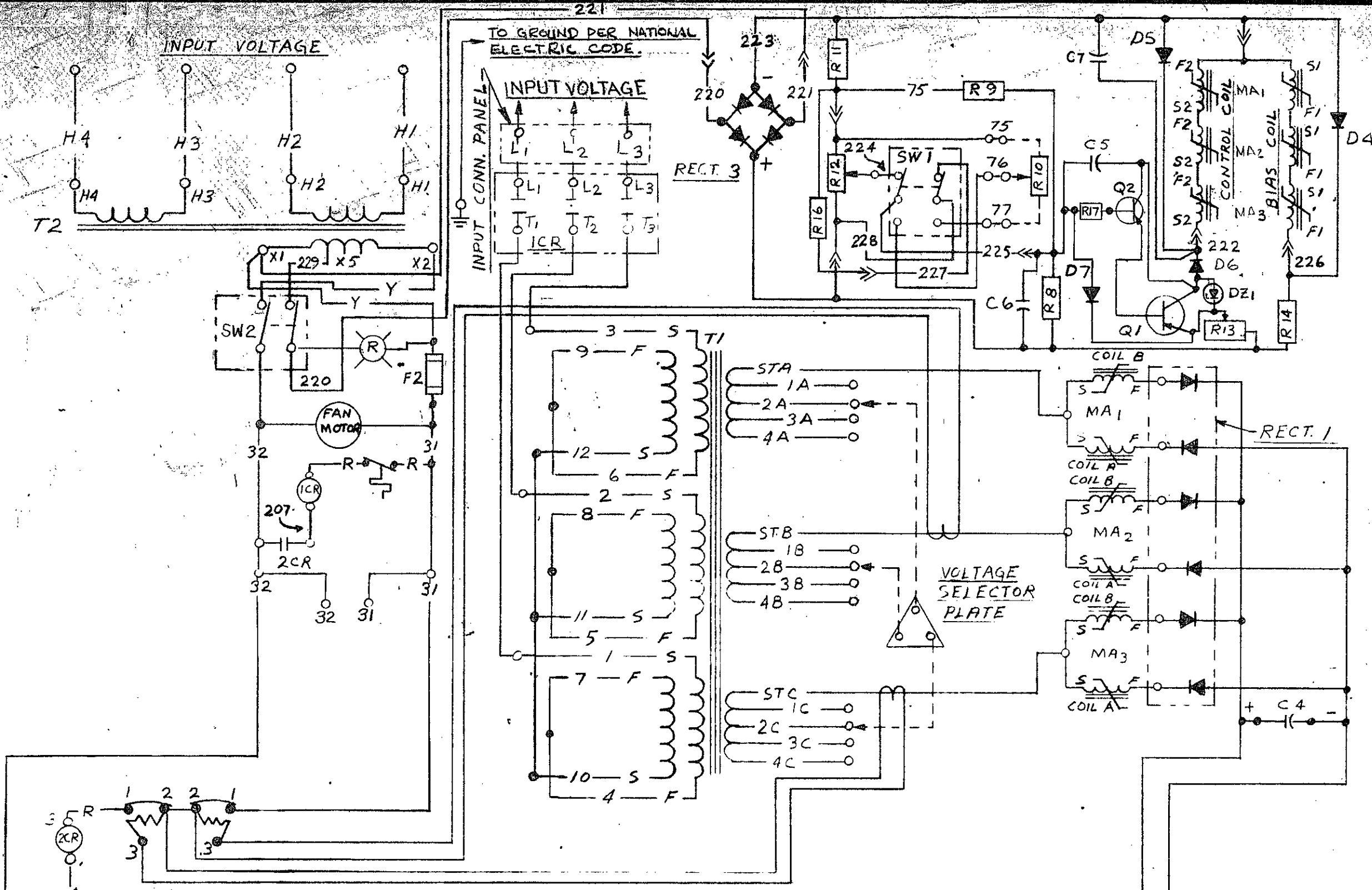
RECT. 3 CONTROL CIRCUIT RECT.

Q1 2N5879
 Q2 2N5815

L1 CHOKE

* NOT ON EARLIER MACHINES

AUSTRALIA 3-75 CANADA 10-76 FRANCE ARMO



LEAD COLOR CODE
 G - GREEN
 Y - YELLOW
 R - RED

SW.1 SHOWN IN MACHINE POSITION

NOTE SEE WIRING DIAGRAM FOR INPUT CONNECTIONS

ANSI ELECTRICAL SYMBOLS PER E-1537

UNLESS OTHERWISE SPECIFIED TOLERANCE
 ON 2 PLACE DECIMALS IS ± .02
 ON 3 PLACE DECIMALS IS ± .002
 ON ALL ANGLES IS ± 5 OF A DEGREE
 MATERIAL TOLERANCE ("M") TO AGREE
 WITH PUBLISHED STANDARDS.

THE LINCOLN ELECTRIC CO.
 CLEVELAND, OHIO U.S.A.
 DATE 2-25-75 SCALE

3-7.75A		
8-27.76G		
10-1.76E		

TYPE R35-800
 SUBJECT SCHEMATIC DIAGRAM
 SUP'S'D DRG (M-12733) DR. MEB CHK SHEET NO. M-13095